

What is claimed is:

1. An unauthorized access avoiding method in an intelligent interconnecting device having a function of repeating a packet which is transmitted/received

between a plurality of computers and being structured to be controllable by an external apparatus based on a TCP/IP protocol, the unauthorized access avoiding method in an intelligent interconnecting device comprising the steps of:

extracting and storing a source IP address included in a packet which is transmitted from an external apparatus when an access from the external apparatus is authenticated through execution of the TCP/IP protocol;

judging, when an access from an external apparatus occurs thereafter, whether or not a source IP address of the external apparatus giving the access is identical with the stored source IP address; and

permitting communication thereafter between the external apparatus having the source IP address identical with the stored transmitting end IP address and the intelligent interconnecting device

only when the source IP address of the external apparatus is judged to be identical with the stored source IP address.

5 2. An unauthorized access avoiding method in an intelligent interconnecting device according to claim 1, further comprising the step of:

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10 registering the source IP address of the external apparatus which is judged to be nonidentical in an unauthorized access IP list when the source IP address is judged to be nonidentical with the stored source IP address.

15 3. An unauthorized access avoiding method in an intelligent interconnecting device according to claim 1, further comprising the step of:

20 notifying an authenticated managing computer of the source IP address of the external apparatus which is judged to be nonidentical when the source IP address is judged to be nonidentical with the stored source IP address.

25 4. An unauthorized access avoiding method in an intelligent interconnecting device according to claim 2, further comprising the step of:

notifying an authenticated managing computer
of the source IP address of the external apparatus
which is judged to be nonidentical when the source
IP address is judged to be nonidentical with the
5 stored source IP address.

5. An unauthorized access avoiding method in an
intelligent interconnecting device according to
claim 1, further comprising the steps of:

judging whether or not the source IP address
which is judged to be identical with the stored
source IP address is within a valid period set in
advance when the source IP address is judged to be
identical with the stored source IP address, and

15 permitting communication thereafter between
the external apparatus having the source IP address
which is judged to be within the valid period and
the intelligent interconnecting device only when
the source IP address of the external apparatus is
20 judged to be within the valid period.

6. An unauthorized access avoiding program which
is executed in an intelligent interconnecting
device having a function of repeating a packet
25 which is transmitted/received between a plurality